

15HT FUNCTION REPORT

DC Voltage and Current into Final Amplifier

FINAL AMPLIFIER ONLY Q206 F=578.250MHz

V_{ce}= 3.97 V

I_{ce}= 10.7 mA

Function of each electron semiconductors

device or other circuit device MAIN BOARD

MAIN BOARD

REFERENCE NO.	PARTS NO.	TYPE	FUNCTION
IC1	NJM2100M	IC(OP.AMP)	MIC AF AMP
	NJM2100M(2/2)	IC(OP.AMP)	PRE EMPHASIS
IC2	TK10690M	IC	COMPRESSOR
IC5	MB15E03LPFV	IC	PLL FREQUENCY SYNTHESIZER LSI
IC101	NJU7202U30	IC	VOLTAGE REGULATOR
IC105	XC6371B501PR	IC	DC-DC CONVERTER IC
IC203	SV290	IC	VCO
IC4	TC7SU04FU	IC	TONE OSC
IC3	TC7S66FU	IC	TONE BUFFER
IC102	C.IC-XC61CN2102PR	IC	VOLTAGE DETECTOR
IC104	C.IC-PST597K	IC	RESET
IC103	C.IC-UPD78F9076MC	IC	CPU
Q3	2SC4116BL	TRANSISTOR	LOW PASS FILTER
Q1	DTC114TUA	TRANSISTOR	AF MUTE
Q2	DTC114TUA	TRANSISTOR	AF MUTE
Q4	DTC114TUA	TRANSISTOR	AF MUTE
Q106	DTA143ZUA	TRANSISTOR	LED DRIVE
Q107	DTA143ZUA	TRANSISTOR	LED DRIVE
Q203	DTA143ZUA	TRANSISTOR	TX CONTROL
Q501	DTA143ZUA	TRANSISTOR	VCO CONTROL
Q204	2SC4227	TRANSISTOR	R.F.POWER AMP
Q205	2SC4227	TRANSISTOR	R.F.POWER AMP
Q206	2SC4227	TRANSISTOR	R.F.POWER AMP
Q102	2SB956S	TRANSISTOR	POWER SWITCH
Q101	2SD1819R	TRANSISTOR	POWER SWITCH
Q104	2SD1328T	TRANSISTOR	DC/DC CONVERTERS DRIVE
D1	DA204U	DIODE	LIMITTER
D2	DA204U	DIODE	LIMITTER
D3	DA204U	DIODE	LIMITTER
D4	DA204U	DIODE	LIMITTER
D5	DA204U	DIODE	LOW PASS FILTER
D101	MA111	DIODE	BACK CURRENT BLOCK
D102	MA111	DIODE	BACK CURRENT BLOCK
D502	MA111	DIODE	BACK CURRENT BLOCK
D103	MA721	DIODE	Rectification
LED101	SPR-39MVWF	LED	POWER INDICATOR